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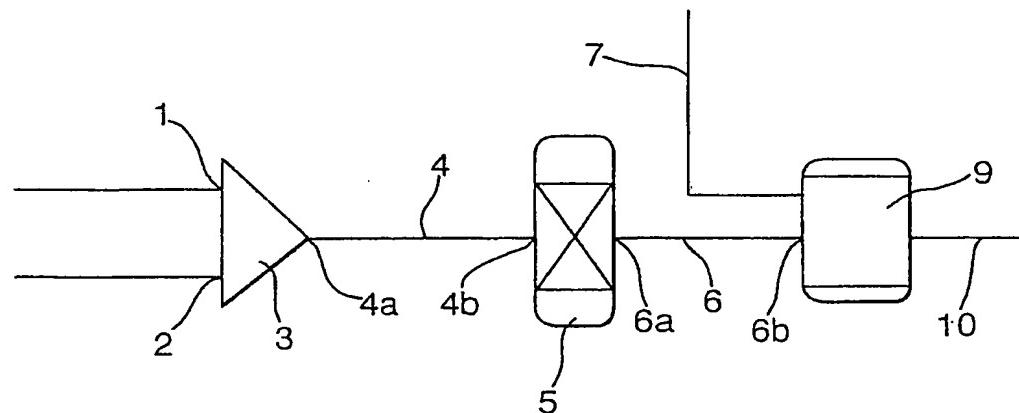
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(54) Title: SOLID OXIDE FUEL CELL-BASED AUXILIARY POWER UNIT



WO 2005/029629 A2

(57) Abstract: The invention relates to an auxiliary power unit (APU) for electricity generation in combination with an internal combustion engine having an outlet for engine exhaust gas, the APU comprising 1) a solid oxide fuel cell (SOFC, 9) comprising an inlet (6b) for fuel, an inlet for air and/or engine exhaust gas, and an outlet for off-gas, and 2) a catalytic partial oxidation reformer (CPOx, 5) having an outlet (6a) which is connected to the inlet (6b) for fuel of the SOFC (9) and an inlet (4b) for reactants, characterized in that the inlet for reactants (4b) is connected to the outlet for engine exhaust gas of the internal combustion engine through an evaporator (3) having an inlet (1) for fuel and an inlet (2) for engine exhaust gas and an outlet (4a) which is connected to the inlet (4b) of the CPOx. The invention further relates to a process for the generation of electricity from a hydrocarbonaceous fuel using such an APU.